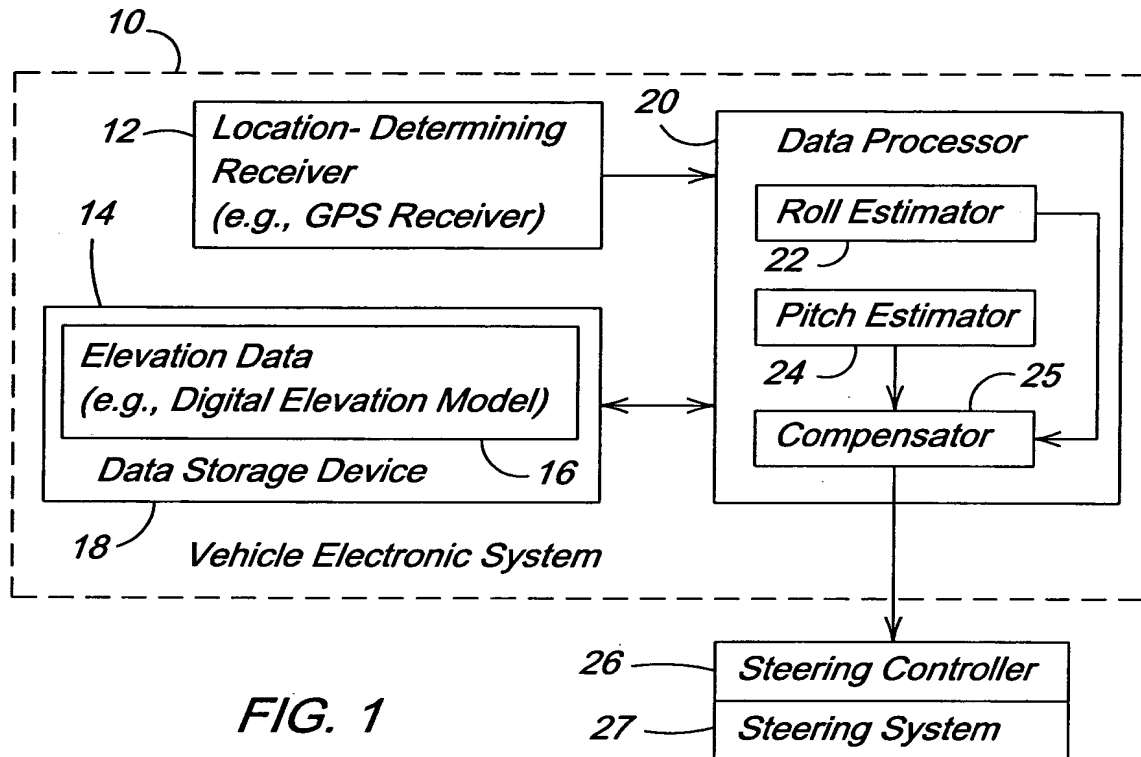


TITLE: VEHICULAR GUIDANCE SYSTEM HAVING
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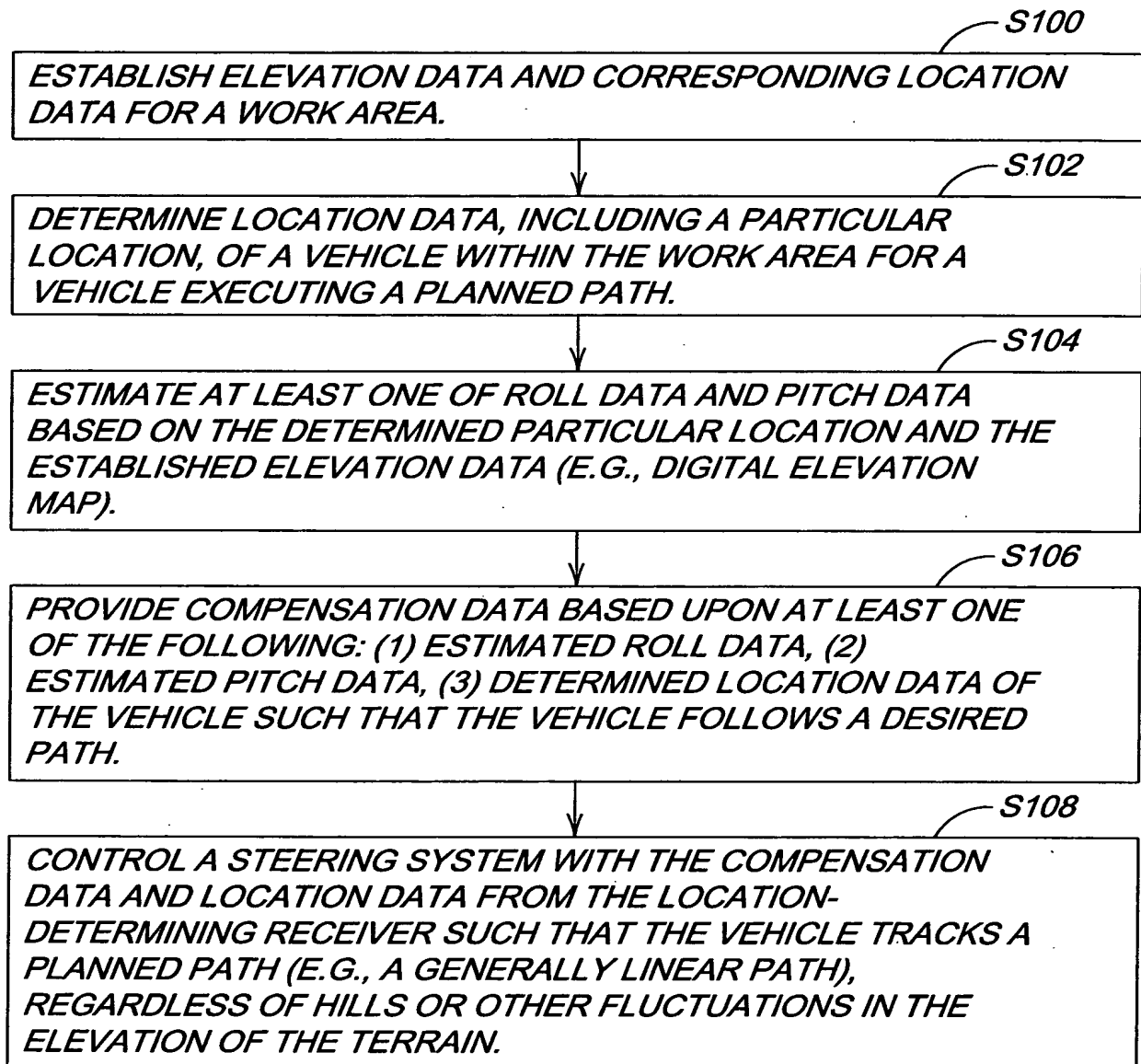


FIG. 2

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Diagram illustrating a vehicle chassis 30 on a lateral slope 46. The chassis is tilted at a roll angle 34 around a center of gravity 40. Roll axes 44 are shown. A coordinate system with y and z axes is centered at 40. The chassis is supported by wheels 32. A dashed line 48 indicates the vertical reference.

FIG. 3

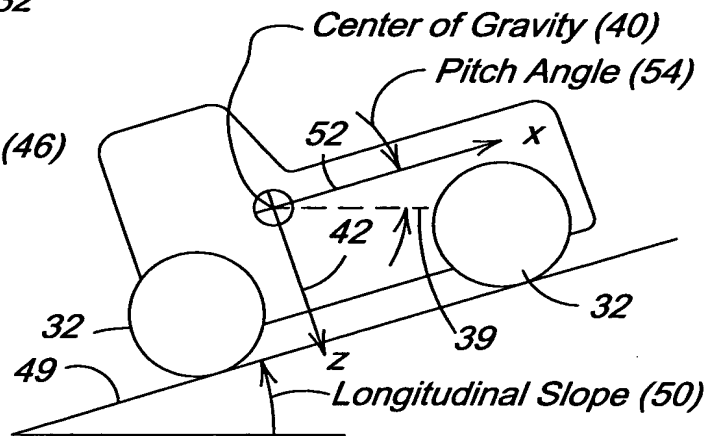


FIG. 4

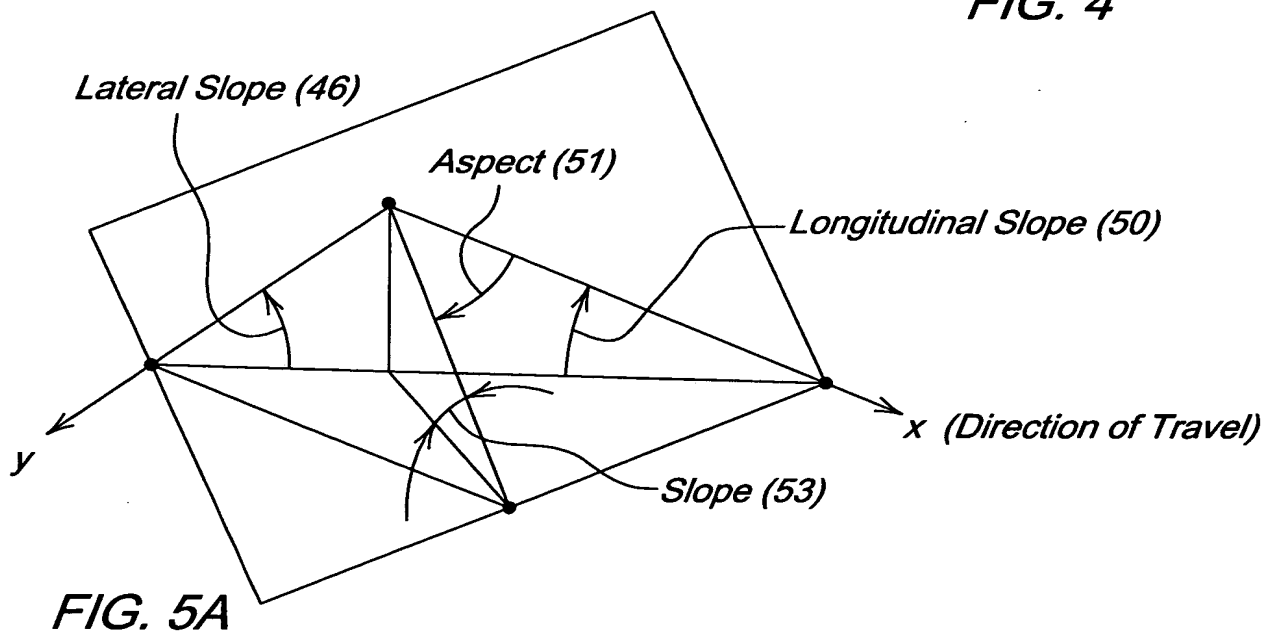
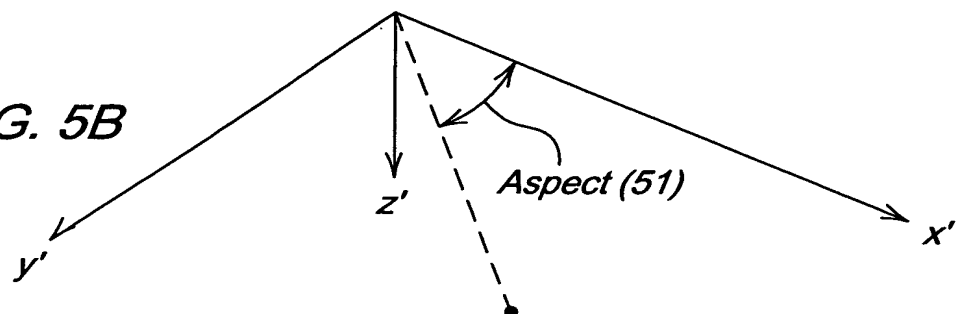


FIG. 5B



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FIG. 6

<i>E 1, 1</i>	<i>E 1, 2</i>	<i>E 1, 3</i>	<i>E 1, 4</i>	<i>E 1, 5</i>
<i>L 1, 1</i>	<i>L 1, 2</i>	<i>L 1, 3</i>	<i>L 1, 4</i>	<i>L 1, 5</i>
<i>E 2, 1</i>	<i>E 2, 2</i>	<i>E 2, 3</i>	<i>E 2, 4</i>	<i>E 2, 5</i>
<i>L 2, 1</i>	<i>L 2, 2</i>	<i>L 2, 3</i>	<i>L 2, 4</i>	<i>L 2, 5</i>
<i>E 3, 1</i>	<i>E 3, 2</i>	<i>E 3, 3</i>	<i>E 3, 4</i>	<i>E 3, 5</i>
<i>L 3, 1</i>	<i>L 3, 2</i>	<i>L 3, 3</i>	<i>L 3, 4</i>	<i>L 3, 5</i>
<i>E 4, 1</i>	<i>E 4, 2</i>	<i>E 4, 3</i>	<i>E 4, 4</i>	<i>E 4, 5</i>
<i>L 4, 1</i>	<i>L 4, 2</i>	<i>L 4, 3</i>	<i>L 4, 4</i>	<i>L 4, 5</i>
<i>E 5, 1</i>	<i>E 5, 2</i>	<i>E 5, 3</i>	<i>E 5, 4</i>	<i>E 5, 5</i>
<i>L 5, 1</i>	<i>L 5, 2</i>	<i>L 5, 3</i>	<i>L 5, 4</i>	<i>L 5, 5</i>

Elevation Data (E) vs. Location Data (L)

FIG. 7

<i>E 1, 1</i>	<i>E 1, 2</i>	<i>E 1, 3</i>	<i>E 1, 4</i>	<i>E 1, 5</i>	<i>E 1, 6</i>
<i>L 1, 1</i>	<i>L 1, 2</i>	<i>L 1, 3</i>	<i>L 1, 4</i>	<i>L 1, 5</i>	<i>L 1, 6</i>
<i>S 1, 1</i>	<i>S 1, 2</i>	<i>S 1, 3</i>	<i>S 1, 4</i>	<i>S 1, 5</i>	<i>S 1, 6</i>
<i>A 1, 1</i>	<i>A 1, 2</i>	<i>A 1, 3</i>	<i>A 1, 4</i>	<i>A 1, 5</i>	<i>A 1, 6</i>
<i>E 2, 1</i>	<i>E 2, 2</i>	<i>E 2, 3</i>	<i>E 2, 4</i>	<i>E 2, 5</i>	<i>E 2, 6</i>
<i>L 2, 1</i>	<i>L 2, 2</i>	<i>L 2, 3</i>	<i>L 2, 4</i>	<i>L 2, 5</i>	<i>L 2, 6</i>
<i>S 2, 1</i>	<i>S 2, 2</i>	<i>S 2, 3</i>	<i>S 2, 4</i>	<i>S 2, 5</i>	<i>S 2, 6</i>
<i>A 2, 1</i>	<i>A 2, 2</i>	<i>A 2, 3</i>	<i>A 2, 4</i>	<i>A 2, 5</i>	<i>A 2, 6</i>
<i>E 3, 1</i>	<i>E 3, 2</i>	<i>E 3, 3</i>	<i>E 3, 4</i>	<i>E 3, 5</i>	<i>E 3, 6</i>
<i>L 3, 1</i>	<i>L 3, 2</i>	<i>L 3, 3</i>	<i>L 3, 4</i>	<i>L 3, 5</i>	<i>L 3, 6</i>
<i>S 3, 1</i>	<i>S 3, 2</i>	<i>S 3, 3</i>	<i>S 3, 4</i>	<i>S 3, 5</i>	<i>S 3, 6</i>
<i>A 3, 1</i>	<i>A 3, 2</i>	<i>A 3, 3</i>	<i>A 3, 4</i>	<i>A 3, 5</i>	<i>A 3, 6</i>
<i>E 4, 1</i>	<i>E 4, 2</i>	<i>E 4, 3</i>	<i>E 4, 4</i>	<i>E 4, 5</i>	<i>E 4, 6</i>
<i>L 4, 1</i>	<i>L 4, 2</i>	<i>L 4, 3</i>	<i>L 4, 4</i>	<i>L 4, 5</i>	<i>L 4, 6</i>
<i>S 4, 1</i>	<i>S 4, 2</i>	<i>S 4, 3</i>	<i>S 4, 4</i>	<i>S 4, 5</i>	<i>S 4, 6</i>
<i>A 4, 1</i>	<i>A 4, 2</i>	<i>A 4, 3</i>	<i>A 4, 4</i>	<i>A 4, 5</i>	<i>A 4, 6</i>

*Elevation Data, Slope Data and Aspect Data
vs. Location Data*